### Appendix 3-F

### **EXAMPLE SITE PLAN REVIEW CHECKLISTS**

NOTE: Include a link to examples provided on the DEQ website.

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#### 3-F.1.0. INTRODUCTION

1. Applicant Information

Site design and plan review checklists provide general guidance for both the designer and plan reviewer. Many items listed on the checklists may not apply to any given design and it is therefore up to the designer to indicate items as "not applicable" or "NA" as appropriate. Similarly, the reviewer must be able to distinguish which items are required based on the local conditions or requirements and verify the status of those items. These checklists serve as a tool for providing the designer with the necessary information needed to develop an approvable plan, as well as for providing the plan review authority with a consistent review procedure.

## 3-F.2.0. EXAMPLE CHECKLIST FOR AN *PRELIMINARY* STORMWATER MANAGEMENT SITE PLAN PREPARATION AND REVIEW

• •		
nitial/Preliminary Plan Submission Date		
Project Name		
Site Plan/Permit Number		
Site Address		
Applicant		Phone Number
Applicant Legal Address		
Owner		Phone Number
Principal Designer		Phone Number
General Contractor		Phone Number
2. Plan Status		
	Legend:	✓ - Complete
Not Approved		Inc Incomplete/Incorrect
	_	N/A - Not Applicable
number(s) of the property or propertie		
l. Existing and proposed mapping and p		
North arrow		
Legend		
VICIONAD		
Vicinity map Existing and proposed topography (	minimum of 2-fo	oot contours recommended)
Existing and proposed topography (	minimum of 2-fo	oot contours recommended)
Existing and proposed topography ( Property lines	minimum of 2-fo	pot contours recommended)
Existing and proposed topography ( Property lines Perennial and intermittent streams		,
Existing and proposed topography ( Property lines	JSDA soils surv	/eys

8.	reforestation or revegetation  Preliminary identification of waiver/exception requests
<ol> <li>7.</li> </ol>	Preliminary erosion and sediment control plan that, at a minimum, meets the requirements outlined in the Virginia Erosion and Sediment Control Regulations and Handbook  Preliminary landscaping plans for stormwater control measures and any site
	Location and boundaries of natural feature protection and conservation areas, such as wetlands, lakes, ponds, aquifers, public drinking water supplies, and applicable setbacks, etc.)  Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list of impaired waters  Current and proposed land use and location of existing and proposed roads, buildings, parking lots and other impervious areas  Location and description of any planned demolition of existing structures, roads, etc.  Location of existing and proposed utilities [e.g., water (including wells), sewer (including

# 3-F.3.0. EXAMPLE CHECKLIST FOR A FINAL STORMWATER MANAGEMENT SITE PLAN PREPARATION AND REVIEW

Fir Pro		
Sit	nal Plan Submission Date oject Name te Plan/Permit Number	
٥II	te Addresspplicant	Phone Number
Δp	oplicant Legal Address	Friorie Number
Ov	wner	Phone Number
Pri	wnerincipal Designer	Phone Number
Ge	eneral Contractor	Phone Number
2.	Signature and stamp of licensed certification	l professional consultant and owner
	Plan Status Approved Not Approved Legend	<ul> <li>Inc.</li></ul>
4.	Common address and legal descripti number(s) and parcel number(s) of the prope	
	proposed development and final site content of the environmental site design techniques and prelevant information pertaining to long-term at \$12\$ below), and a construction schedule.  Existing and proposed mapping and plans (reference).	practices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater
	proposed development and final site convironmental site design techniques and prelevant information pertaining to long-term present the state of the	onditions, including proposed use of bractices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater
	proposed development and final site content of the environmental site design techniques and prelevant information pertaining to long-term at \$12\$ below), and a construction schedule.  Existing and proposed mapping and plans (reference).	onditions, including proposed use of bractices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater
	proposed development and final site convironmental site design techniques and prelevant information pertaining to long-term reflevant information pertaining to	onditions, including proposed use of bractices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater
	proposed development and final site convironmental site design techniques and prelevant information pertaining to long-term reflevant information pertaining to	enditions, including proposed use of practices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater nimum:
6.	proposed development and final site convironmental site design techniques and prelevant information pertaining to long-term reflevant information schedule.  Existing and proposed mapping and plans (reflevail), which illustrates the following at a minuse of the proposed long reflevant information in the proposed topography (minimum proposed topography topography topography topography topography (minimum proposed topography topogra	enditions, including proposed use of practices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater nimum:
6.	proposed development and final site convironmental site design techniques and prelevant information pertaining to long-term reflevant information pertaining to	enditions, including proposed use of practices, stormwater control measures, maintenance of these measures (see item ecommended scale of 1" = 50', or greater nimum:

	_ Location and boundaries of natural feature protection and conservation areas (e.g.,
	wetlands, lakes, ponds, aquifers, public drinking water supplies, etc.) and applicable setbacks (e.g., stream buffers, drinking water well setbacks, septic drainfield setbacks,
	building setbacks, etc.)
	Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list
	of impaired waters
	Current land use and location of existing and proposed roads, buildings, parking lots
	and other impervious areas
	Location and description of any planned demolition of existing structures, roads, etc.
	Proposed land use(s) with a tabulation of the percentage of surface area to be adapted
	to various uses, including but not limited to planned locations of utilities, roads, parking
	lots, stormwater management facilities, and easements
	Location of existing and proposed utilities [e.g., water (including wells), sewer (including
	septic systems), gas, electric, telecommunications, cable TV, etc.] and easements
	Earthwork specifications
	Selection, location and design of both structural and non-structural stormwater control
	measures, including maintenance access and limits of disturbance
	Storm drainage plans for site areas <i>not</i> draining to any BMP(s)
	_ Location of existing and proposed conveyance systems, such as storm drains, inlets,
	catch basins, channels, swales, and areas of overland flow, including grades,
	dimensions, and direction of flow
	_ Final drainage patterns and flow paths
	_ Location of floodplain/floodway limits and relationship of site to upstream and
	downstream properties and drainage systems
	_ Location of all contributing drainage areas and points of stormwater discharge,
	receiving surface waters or karst features into which stormwater discharges, the pre-
	development and post-development conditions for drainage areas, and the potential
	impacts of site stormwater on adjoining parcels  Location and dimensions of proposed channel modifications, such as bridge or culvert
	crossings
	Final stabilization and landscaping plans
	1 IIIai stabilization and landscaping plans
7. Hy	ydrologic and hydraulic analysis, including the following:
•	
	_ Site map with locations of design points and drainage areas (size in acres) for runoff
	calculations
	Identification and calculation of stormwater site design credits, if any apply
	Estimates of unified stormwater sizing criteria requirements
	Time of concentration (and associated flow paths)
	_ Imperviousness of the entire site and each drainage area
	NRCS runoff curve numbers or volumetric runoff coefficients
	A hydrologic analysis for the existing (pre-development) conditions, including runoff
	rates, volumes, and velocities, showing the methodologies used and supporting
	calculations
	_ A hydrologic analysis for the proposed (post-development) conditions, including runoff
	rates, volumes, and velocities, showing the methodologies used and supporting
	calculations  Hydrologic and hydraulic analysis of the stormwater management system for all
	<ul> <li>Hydrologic and hydraulic analysis of the stormwater management system for all applicable design storms</li> </ul>
	Pollution load and load reduction requirements and calculations

	_ Final good engineering and sizing calculations for stormwater control measures,
	including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations  Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage
	facilities _ Final analysis of the potential downstream impacts/effects of the project, where
	necessary
	<ul><li>Downstream analysis, where detention is proposed</li><li>Dam safety and breach analysis, where necessary</li></ul>
	epresentative cross-section and profile drawings and details of stormwater control easures and conveyances which include the following:
	_ Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.)
	<ul> <li>Design water surface elevations</li> <li>Structural details of BMP designs, outlet structures, embankments, spillways, grade</li> </ul>
	control structures, conveyance channels, etc.
9. <u> </u>	Applicable construction and material specifications, including references to plicable material and construction standards (ASTM, etc.)
10. <u> </u>	Erosion and sediment control plan that, at a minimum, meets the quirements outlined in the Virginia Erosion and Sediment Control Regulations and
На	indbook
11	indbook Landscaping plans for stormwater control measures and any site forestation or revegetation
11. <u> </u>	Landscaping plans for stormwater control measures and any site
11 ref	Landscaping plans for stormwater control measures and any site forestation or revegetation  Derations and maintenance plan/agreement that includes the following:  Name, legal address and phone number of the party or parties responsible for long-term maintenance activities  Description and schedule of maintenance tasks  Identification/description of the source of funding to support maintenance activities  Description of access and safety issues  Procedures for testing and disposal of sediments, if required
11 ref 12. Op	Landscaping plans for stormwater control measures and any site forestation or revegetation  Derations and maintenance plan/agreement that includes the following:  Name, legal address and phone number of the party or parties responsible for long-term maintenance activities  Description and schedule of maintenance tasks  Identification/description of the source of funding to support maintenance activities  Description of access and safety issues  Procedures for testing and disposal of sediments, if required  Right-of-entry authorization for local government inspections/repairs, as needed
11 ref 12. Op 13 14	Landscaping plans for stormwater control measures and any site forestation or revegetation  Derations and maintenance plan/agreement that includes the following:  Name, legal address and phone number of the party or parties responsible for long-term maintenance activities  Description and schedule of maintenance tasks  Identification/description of the source of funding to support maintenance activities  Description of access and safety issues  Procedures for testing and disposal of sediments, if required  Right-of-entry authorization for local government inspections/repairs, as needed  Evidence of acquisition of all applicable local and non-local permits
11 ref 12. Op 13 14 15 co	Landscaping plans for stormwater control measures and any site forestation or revegetation  Derations and maintenance plan/agreement that includes the following:  Name, legal address and phone number of the party or parties responsible for long-term maintenance activities  Description and schedule of maintenance tasks  Identification/description of the source of funding to support maintenance activities  Description of access and safety issues  Procedures for testing and disposal of sediments, if required  Right-of-entry authorization for local government inspections/repairs, as needed  Evidence of acquisition of all applicable local and non-local permits  Waiver/exception requests  Evidence of acquisition of all necessary legal agreements (e.g., easements,